Handheld *ASYC IV* - 60 000 pts

MTX 3297Ex

ATEX / IECEx Instructions Manual

metrix

Test and measurement CHAUVIN-ARNOUX

Issue / Update note

Rev.	DMDD	Date	Note	Visa
00	n/a	18.02.2019	1'st issue	FP
01	n/a	05.06.2019	Marking change	FP
02	014056	02.09.2021	Standard edition updating	AS
03	014056	08.02.2022	Page 2 : "=" replaced by "≤" Page 4 : LR6=>FR6	AS
04	016532	25.06.2024	Add batteries specifications	AS

Security instructions

Safety instructions 	***This manual describes the instructions and safety rules that the operator must respect for the safe and reliable operation of the product in hazardous areas;*** ***Failure to follow these instructions and instructions can have dangerous consequences or violate the legislation in force.*** ***You should read it completely before using the Meter.***

CAUTIONS FOR SAFETY

• The prescriptions and regulations as well as the electrical data described in the Ex certificate of conformity must be observed.

• The use of this equipment can only be done by a user who has been trained on equipment placed in an hazardous area

• Verify that the atmosphere and temperature conditions, where the equipment is used, complie with the certification.

• Do NOT replace fuse or batteries in an hazardous area.

• Do NOT replace fuse or batteries with non-certified parts. Substitution of components impairs the conformity to the hazardous location and may cause an explosion.

• Use only certified accessories.

The MTX3297 Handheld Multimeter is built according to the following:

ATEX requirements:

- *European certification scheme (2014/14 EU Directive)*
- *European standards in the series EN 60079:*

IECEx requirements:

- *International certification scheme (IECEx)*
- *International standards in the series IEC 60079:*

I M1
Ex ia I Ma
II 1G D
Ex ia IIC T4 Ga
EX ia IIIC T135 °C Da
-10 °C ≤ Ta ≤ +55 °C
LCIE 19 ATEX 3011 X
EN IEC 60079-0: 2018 – General Requirements
EN 60079-11: 2012 – Intrinsic safety “i”

Ex ia I Ma
Ex ia IIC T4 Ga
Ex ia IIIC T135 °C Da
-10 °C ≤ Ta ≤ +55 °C
IECEx LCI 19.0003X

IEC 60079-0: Ed 7 – General Requirements
IEC 60079-11: Ed 6 – Intrinsic safety “i”

For connections to intrinsically safe circuits, check these connections:

Voltage Input “V”

U input ≤ 65V	C input = negligible	I input = negligible	L input = negligible

Current Input “A”

U input ≤ 65V	C input = negligible	I input ≤ 5A	L input = negligible

For measurements on protected circuits:

• Compliant for zones 0, 1 and 2, equipment group II, category 2G, explosion group IIC (explosive gases, vapors and vapors), temperature categories T4.

• Suitable for zones 20, 21 and 22, equipment group II, category 2D, explosion group IIIC, dust, fibers and conductive and non-conductive projections.

• Suitable for use in mines, equipment group I, category M1, explosion group I, methane, and coal dust.

Use in hazardous area

After using the multimeter in a safe zone, there is no waiting time before using the same equipment in an explosive zone.

Fuse replacement

Flat gasket and bottom housing must be properly seated

Opening of the device must be done mandatory in safe area

• Before replacing the fuse (accessible through the lower case opening), disconnect the instrument from any power source. When replacing, make sure that only a fuse of the correct size and type specified is used. The use of an incorrect fuse and the short-circuiting of the fuse holder are strictly forbidden.

• Checking the current fuse:

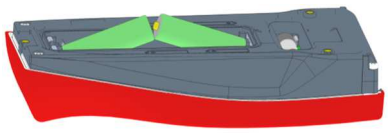
Fuse reference: *548602A*

SIBA / 5019906.1 10 A: 10 x 38 - 1000 V - F breaking capacity 30 kA

Battery replacement

Flat gasket and bottom housing must be properly seated to seal

The meter is powered by certified batteries



ANSMANN 1502-0005, FR6 format and lithium type Iron disulfide

After replacing batteries, wait 10s before restarting the instrument.